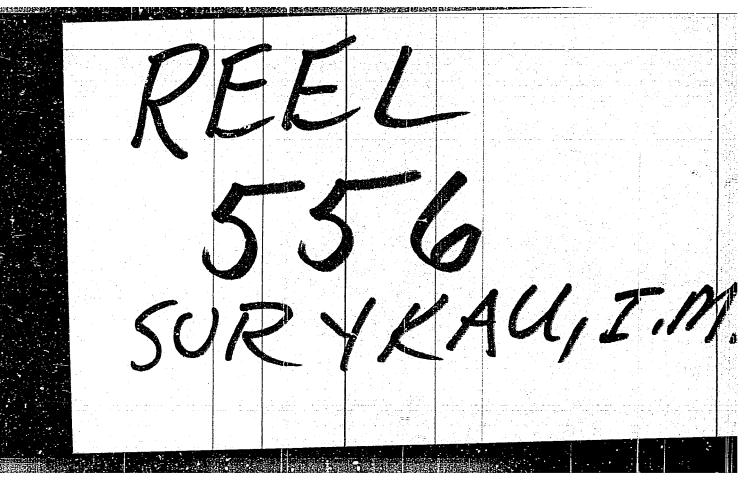
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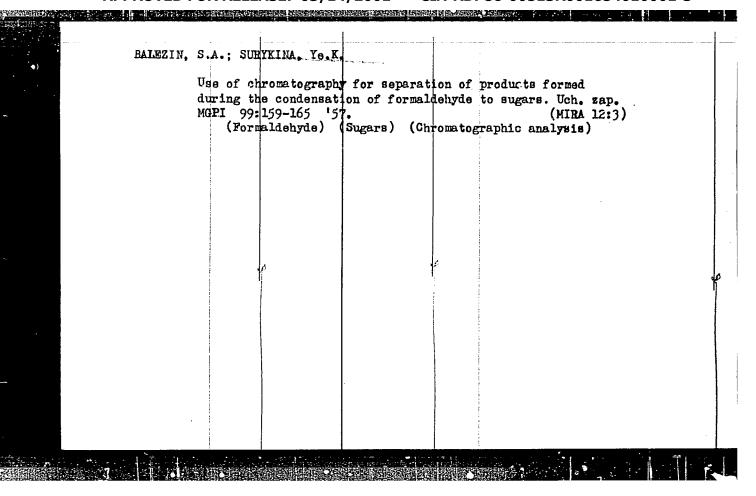
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Abs Jour	: Rof Zhur	Biol., No	19, 1958, No 85644	
Author Inst Title	Surykay, AS BSSR Solf-Fort		Ryc Population	
Orig Pub	: Vestsi AN Ser. biol	BSSR. Scr. n., 1956,	biyal. n., Izv. AN BSSR. No. 4, 55-76	
Abstract	times (1. found in tion of i ryc increherediter spike the tion. A	22 - 1.38%) the populate hered generates, which welf-fort most self-study was a	o is very constant at all and well-grained forms a ion. With repeated isolations self-fertility of is related to selection tilizing races. Within the fertile is its middle por also conducted on variation atures within the limits	of no
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SURTRIMA, Ye. K "Investigation of Sugars Obtained in the Process of Formaldehy le Condensation." Sub 26 Jun 52, Loscow State Ped Inst imeni V. I. Lenin. (Dissertation for the Degree of Candid Chemical Sciences). SG: Vechernaya Moskva January December 1992	. comina i
SC: <u>Vechernaya Morkva</u> January -December 1992	ite in

Preparation and development of paper chromatograms of carbohydrates. Trudy Kom. anal.khim. 6:483-485 '55. (MERA 9:5) 1. Moskovekiy gosudarstvennyy pedagogicheskiy institut imeni V.I. Lenina. (Chromatographic analysis) (Carbohydrates)						J		
1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni V.I. Lenina.		SURYKINA,	Ye.K.	v ts				
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	SURYN, W. Techinical information of the Central Technical Organization sums up the results of its work at the 27th Poznar International Fair. p. 799. PRZEGLED TECHICZIN (Naczelna Organizacja Techiczna) Warszawa, Poland Vol. 79, no. 16, August 1958 Nonthly list of East European Accessions Index (EEAI), LC Vol. 8, No. 11 November 1959 Uncl.
	Rovember 1959

ŞURY	N, Wl., inz.
	Two thousand five hundred members in 107 factory circles, the result of activities of the Poznan Branch of the Association of Engineers and Technicians of the Food Industry. Przegl tech 84 no.46:5, 8 17 N
	l. Przewodniczacy Oddzialu Stowarzyszenia Inzynierow i Technikow Przemyslu Spozywczego, Poznan.
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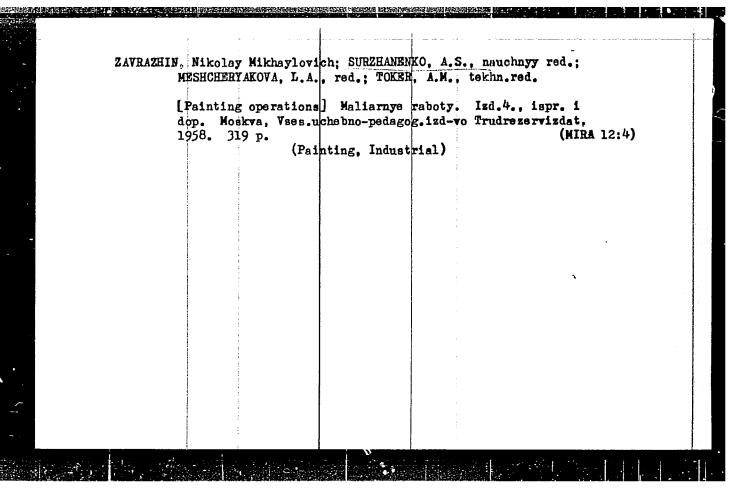
SPURNY, O.; SURYNEK, J.; KOSTARZ, T.; Chair of Pathological Physiology, Veterinary Faculty, College of Agriculture (Katedra Patologicke Fysiologie Veterinarni Fak. VSZ), Brno. "The Development of the Level of Metones, Fatty Acids, and Ammoniacal Nitrogen in the Blood of Calves Fed Acidophilic and Non-skim Milk." Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 391 Abstract: Two groups of 6 calves were investigated between the ages of 1 days and 6 months. One group received non-skim milk with LZ of fat, and later hay, grain meal, and beet; the second milk fermented by	
acidophilic microbial agents, later skim milk, siloed corn, hay, and grain meal. Only the levels of EFA and NEFA between the ages of h and 8 weeks were different; this resulted mainly from the supply of milk fat to the 1st group. The levels of EFA decrease to that of adult animals already in the 10th week. There is a temporary increase in the levels of ketones and EFA in the 15-16th and 16-18th weeks, respectively. 3 Western, 2 Czech references. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 10 Dec 65.	
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	AUTHOR:	Surzhan, N.I., Technician
	TITLE:	Electro-Hydraulic Heating of the Substations (Elektrovodyanoye otopleniye na podstantsiyakh)
	PERIODICAL:	Energetic, 1958, Nr 2, p 23-23 (USSR)
	ABSTRACT:	After having listed the drawbacks of the standard heating system in use at the substations (electric stoves equipped with open glowing spirals), the author describes, illustrates and recommends the use of an electric water heating system tested and first
	Card 1/2	introduced at a substation of the North-
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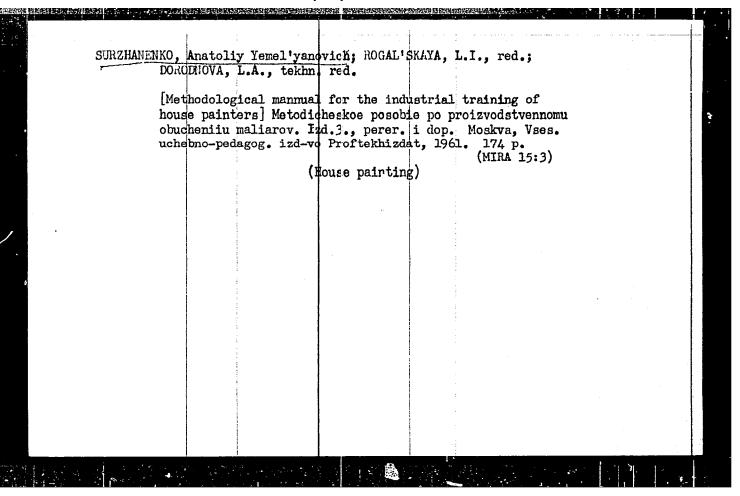
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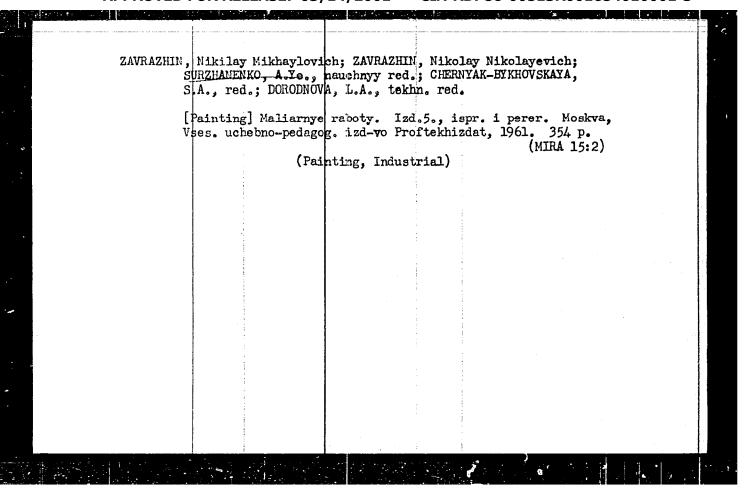
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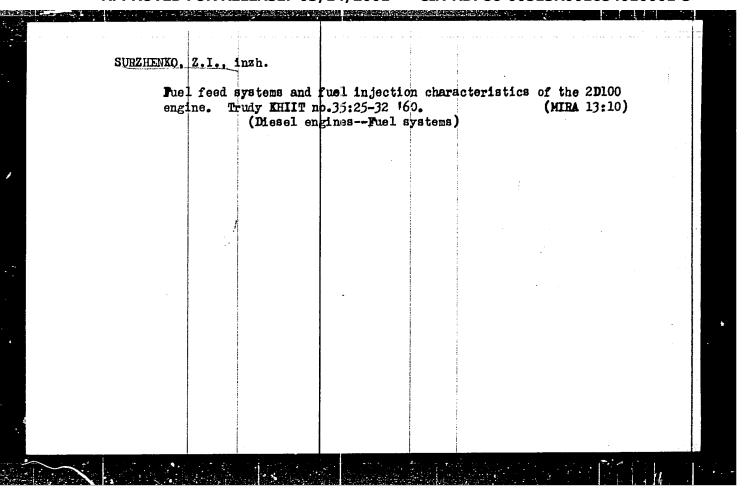
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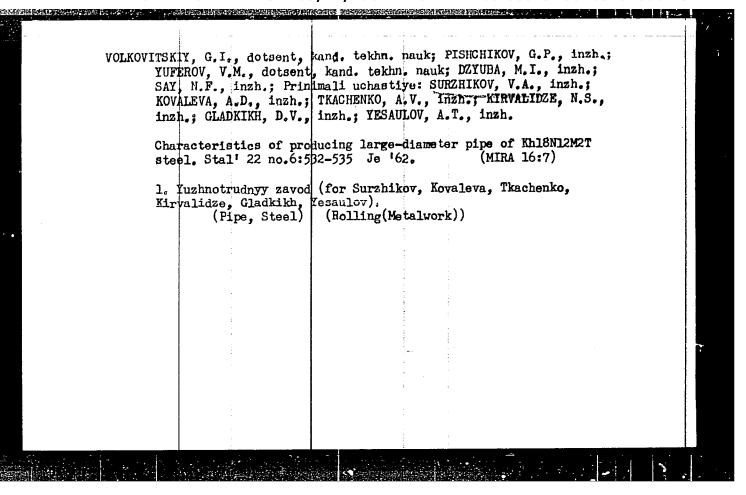
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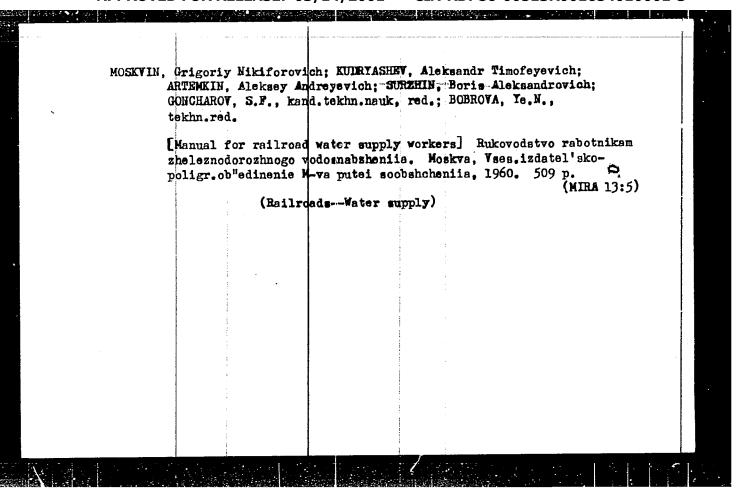
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	[Fuel system on di D100 and D50 engin sudovykh dvigatele 203 p. (Diesel 1	esel locomotives and mones Toplivnaia apparatuit tipa D100 i D50. Mos	kva, Mashgiz, 1943. (MIRA 16:5)	
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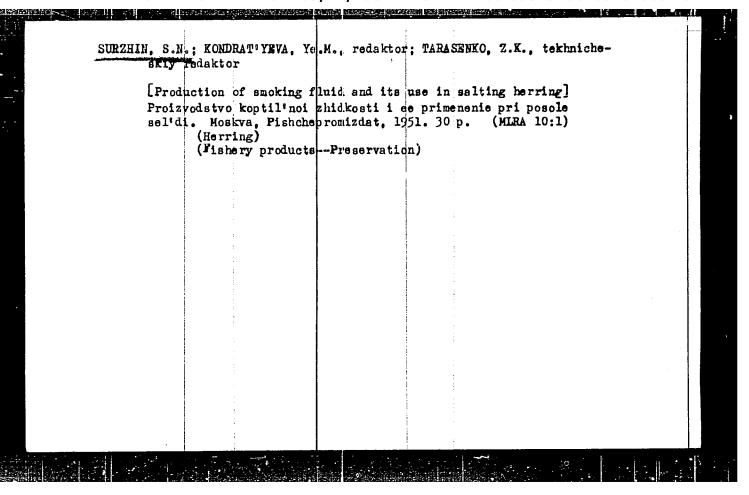
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ACCESSION NR: AP4026274 ACCESSION NR: AP4026274 Acrospase Information Division AUTHOR: Surzhin, L. V.: Prokurorov, N. S. TITLE: Measuring short time intervals by an attachment to an electric timer	
ACCESSION NR: AP4026274 Acrospase Information Division S/0115/64/000/003/0019/0023 AUTHOR: Surzhin, L. V.: Prokurorov, N. S.	
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ITLE: Measuring short time intervals by an attachment to an electric timer	
OURCE: Izmeritel'naya tekhnika, no. 3, 1964, 19-23	
OPIC TAGS: timer, electricatimer, millisecond meter, millisecond meter millisecond meter	
BSTRACT: The development of an attachment for an electric timer is eported. The principle of proportional magnification of the measurand and ubsequent measurement of the longer time interval by a conventional electric	
imer is used. The method permits measuring square pulses of a few nicroseconds duration. The magnification is carried out by a ferromagnetic orus with a rectangular hysteresis loop. The torus functions in two phases: 1) "memorizing" of a volt-second pulse of a specified amplitude Ug and duration	
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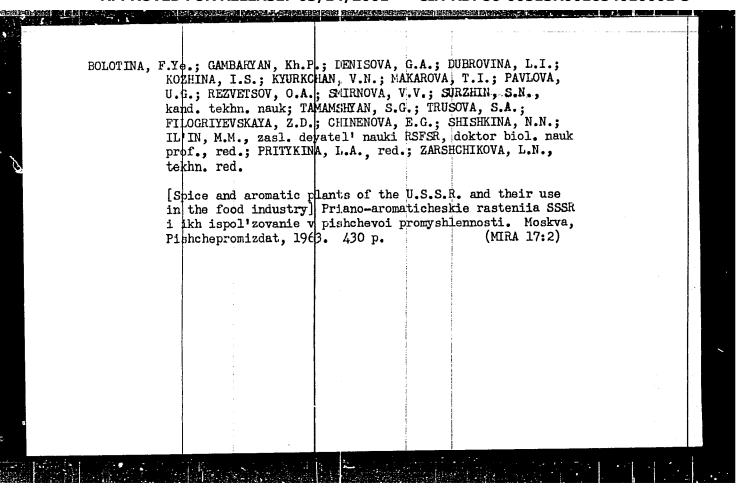


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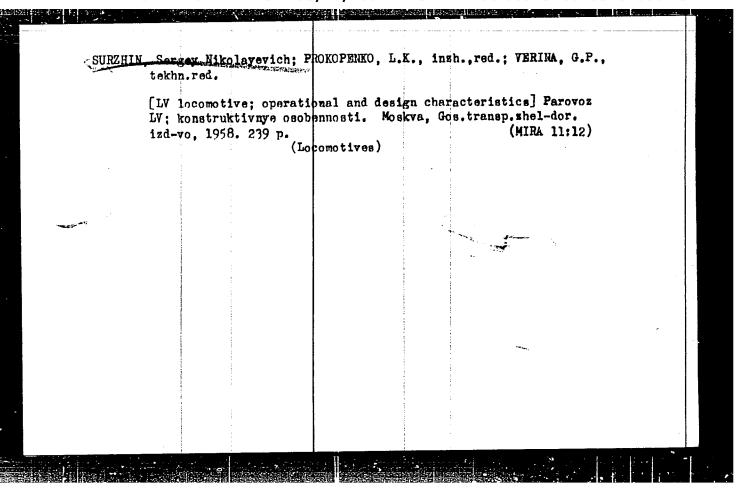
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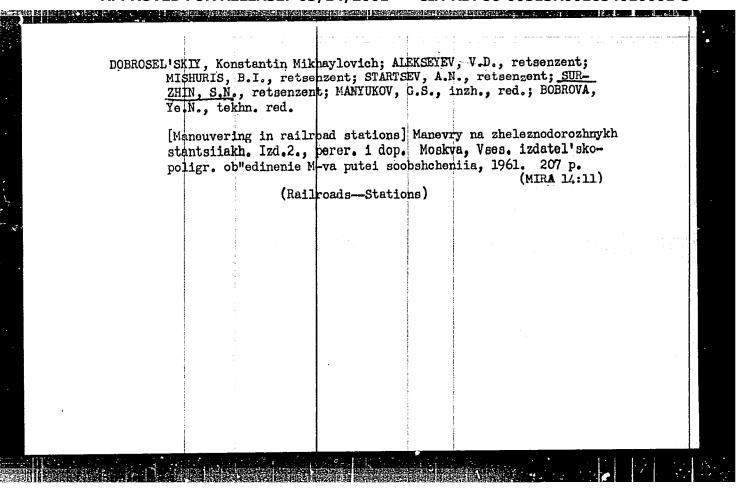


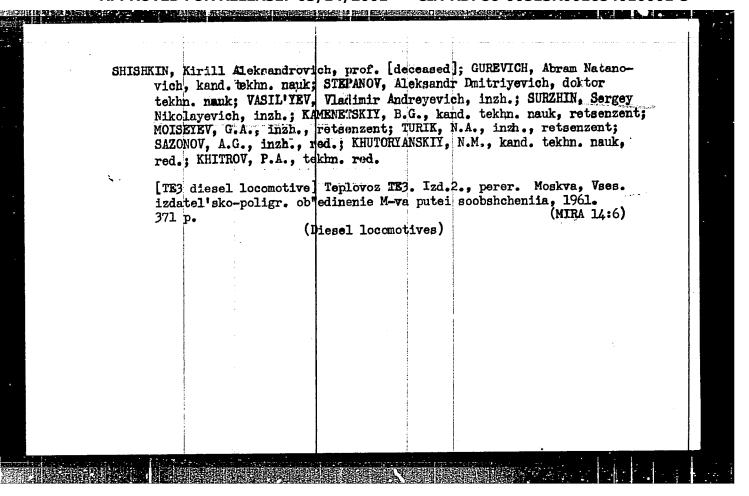
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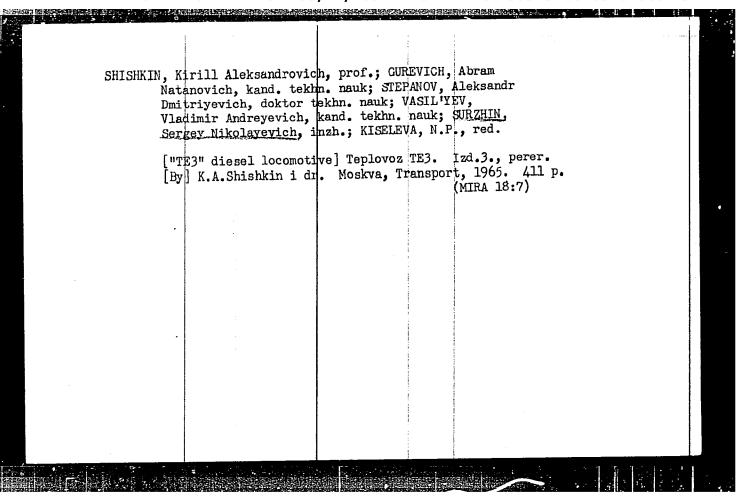


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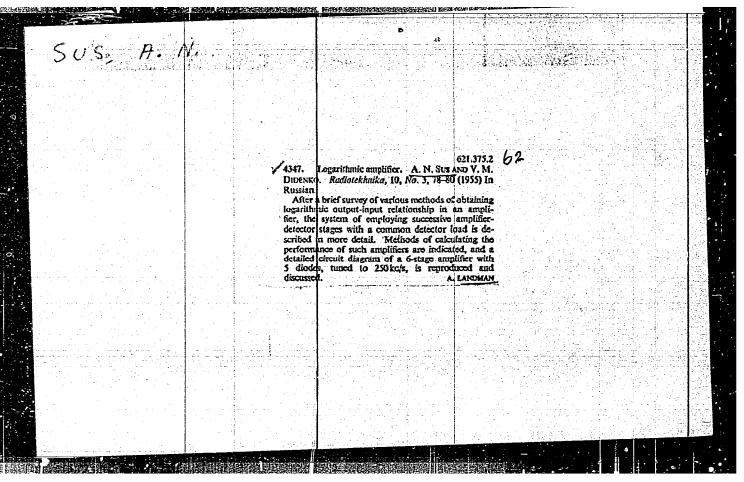
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N.	kaliine dobry vo Akad.nauk	rvo. [By]\$.P.Ale URSR, 1962. 13	(for Porfir'yev)	rt - nove Kyiv, Vyd- (MIRA 16:3)	
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SOV/120-59-1-20/50 AUTHORS: Sus, A. N., Ratandv, G. V. Amplifier with a Logarithmic Characteristic (Usilitel' s TITLE: logarifnicheskoy kharakteristikoy) PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 1, pp 83-85 (US\$R) the amplifier is based on the method of successive detection (Refs 1 and 2). In this type of amplifier, each gain stage is followed by a detector. The currents produced by ABSTRACT: all the detectors flow through a common resistance which also serves as the output load of the amplifier. When the input signal is increased, the last tube of the amplifier is overloaded first and the voltage at its output stops increasing. With a further increase of the signal, the other tubes of the system become gradually overloaded. A detailed circuit diagram of the amplifier is shown in Fig 2. This consists of six identical stages based on triodes Type 6G2. Overall amplification of the system is 106. Each anode circuit of the triodes is provided with a decoupling filter. Each stage Card 1/2

of the outputing properties of the outputing properties of the again of whether the cribes of the soul	otentiometer. It is shown in Rest the logarith I to 1 V). The Iich 4 are Sovietes are translated was ordered by	Characteristic tains a rectifyided with a microfine amplitude chief 3, where the mof the input paper contains t and 2 are Gerried from English by the Institute eiences).	ing diode, Type 6Kh6. The ammeter or a register haracteristic of the ample output current is plotty voltage (for voltages from figures and 6 reference and; 2 of the Soviet refunction of Semiconductors of the iversitet (Saratov States).	ed com ces, ces,
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sov/120-59-5-26/46 Sus, A.N. and Bogdanov, N.N. AUTHORS: A Wide-range Instrument for the Measurement of Magnetic-TITLE: field intensity Pribory i tekhnika eksperimenta, 1959, Nr 5, PERIODICAL: pp 117 - 118 (USSR) ABSTRACT: A description is given of an instrument which may be used to measure constant magnetic fields between a fraction of an oersted to 10 kOe. The instrument measures the mean value of the field within the limits of 5 mm. The instrument is linear and the accuracy is about 1%. The fields are measured by measuring the e.m.f. induced in a rotating coil when the coil is placed in the magnetic field. The e.m.f. is amplified, rectified and then measured by a DC pointer instrument. The installation is analogous to that described by Jurgens et al (Ref 1), Lamb and Retterford (Ref 2), Wills (Ref 3) and Langen and Scott There are 1 figure and 4 references, 3 of which are English and 1 German. Card1/2

	A Wide-range Intensity	e Instrument fo	the Measuremen	50V/120-59-5- t of Magnetic	26 /4 6 -field	
	ASSOCIATION S	Saratovskiy tate University	gosudarstvennyy	universitet	(Saratov	
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S/263/62/000/012/002/005 1007/1207 Sus, A. N. and Didenko, V. M. AUTHOR: New method of high-pressure measurements Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 12, 1962, 33. TITLE: abstract 32.12.301 "Nauchn. ezhegodnik. Saratovsk. un-t. Fiz. fak. i N. i. in-t mekhan. PERIODICAL: i fiz., 1955", Saratov, 1960, 19-23 TEXT: Description is given of the design and working principle of a pressure gage based on the relationship between pressure and internal friction in gas. A metal-coated quartz wire fastened at both ends and vibrating in an homogeneous transverse magnetic field, serves as a pressure transmitter. The E.M.F., induced at the wire ends is fed to the input of two amplifiers. The output voltage of one amplifier, being applied to the field between an electrode and the wire located parallel with the latter, causes vibration of the wire. On variation of the gas pressure in the cavity containing the wire vibrator, the vibration amplitude increases as a result of reduction of internal friction in the gas and augments the amplifier output-voltage. As shown by experiments, the pressure gage may be used for pressure measurements in the range from 10-3 to 100 mm mercury, but it is sensitive to external mechanical jolts and vibrations. An advartage constitutes the fact that the new type of pressure gage ensures a marked increase in the measuring sensitivity over a wide pressure range as a result of increase in magnetic field intensity and amplification factor of the indicating amplifier. [Abstracter's note: Complete translation.] Card 1/1

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•	38135 s/058/62/000/004/003/160 A058/A101	
26.2190 AUTHOR: St	s, A. N.	
TITLE: V	bration manometer	
	eferativnyy zhurnal, Fizika, no. 4, 1962, 16 - 17, abstract 4A134 "Uch. zap. Saratovsk. un-t", 1960, 69, 105 - 111)	
TEXT: dependence of oscillatory socillates in a ends of the famplifier and with a vibrate self-oscillate.	here was developed a new type of manometer based on the pressure gas viscosity. The manometer is an original electromechanical self-stem. A thin metallized quartz filament, fastened at the ends, osstem. A thin metallized quartz filament, fastened at the ends, osstems. A thin metallized quartz filament, fastened at the ends, osstems. A special field. The induction emf that sets in at the transvers agnetic field. The induction emf that sets in at the transvers agnetic field. The induction emf that sets in at the transvers agnetic field. The induction emf that sets in at the transvers a measuring lament is used to bring about feedback an exciting applifier. The latter is used to bring about feedback or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit. Or. A source of constant emf is connected in the feedback circuit.	
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taining a limi oscillation and fier is graduatude response upper limit in amplifier. T	t value plitude ited in being s determine sens h, the vibrat manome	A station of the vib pressure un infermined by the itivity of tamplification, and incompany the enables of mm Hg, t	hary state allower hary state allower for given presits, the end of the y the lower limit of the linear he manometer is pron factor of the means of the decrease the decrease of the means of the means of the decrease of the means of the means of the decrease of the means of the decrease of the means of the decrease of the means of th	S/058/62/000/004/003/16 A058/A101 Therefore when the manometer in the rises rapidly, attick corresponds to a certain sure. The measuring amplitinear section of its amplified measured pressures. The section of the measuring operational to the magnetic assuring amplifier and the in diameter of the vibratory measure pressures in the vity being attained in the N. Biryukova	er n	
[Abstracter'	s note:	Complete t	ranslation]			
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26.219 AUTHORS: THE: PERIODICAL: of vibration	Vibration manometer Vibration manometer Referativny: zhurna ("Uch. zar. arato) There is escribed There is manometer ion and membrace and a device pickup on a connect	S/058/62 A.M. whose readings do not depend of the design of a manometer consists meters. The manometer consists attached to it, which consists attached to it, which consists with a vibrator via a system of the pellows (A), while the with a vibrator via a system of the pellows (A), while the with a vibrator via a system of the pellows (A), while the with a vibrator via a system of the pellows (A), while the pellows (A), while the pellows (B), while the pellows (B), while the pellows (B).	o/000/004/004/160 old on the type of gas stract 4A135 117) ed on a combination of two parts: a of two firmly con- of two firmly con- metallic disk is thin rods. A high thin rods. A high thin rods. A has red. Bellows A has red. Bellows A not
of vibration vibration nected of located, rarefact attached a supposures.	pickup and a devinect	the dearmanometric meters. The manometric maters. The manometric consists attached to it, which consists attached to it, which bellows a system of the bellows (A), while the with a vibrator via a system of with bellows (A), while the se of the bellows being measured to the pressure is upper limit bellows B, on of the gas from the supports on of the gas off the supports has been taken off the pressure. per-limit measurable pressure.	red. Bellows pres-
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is shifted, which induces tension in the vibrator amplitude of pressure can be the frequency of its oscillations. In this way the magnitude of pressure can be judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was established that judged from the capillation amplitude of the vibrator. It was establis	h an accuracy approaching cycles-per-second measure pressure in a range of two orders readings of the manometer do not depend on the irtually insensitive to external mechanical N. Biryukova
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	Nauchnyye os izmereniye whe authors measured by	proposed that a proposed that a between the visc novy vakuumnoy te akuuma, 1952), sh for measuring the this method proves ethyl ether,	wibration pressure gauge, which employs the pressure (Dushman. the pressure (Dushman. Yakkel'. Polucheniye i Yakke
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ANDROSOVA, T. P. and SUS, N. I., GOLUBEVA, L. A. "Improvement of Microclimatic Conditions in the Steppes for the Growth of Young Tree Plantings". Meteorol. i Gidrologiya, No 6, pp \$1-35, 1954. Meteorological circumstances surrounding the growth of young forest plantings in the steppes can be improved by more complete utilization of winter precipitation (by creation of slots consisting of high-stem plants like corn and sunflower that increase snow cover in forest belts up to 82 cm as opposed to 32 cm without them), by sowing of high-stem plants in forest belts which create more temperature microclimate in the summer (by creation of shade for young trees so that they are subjected to only 14% of solar radiation), and also by mulching of the soil to conserve moisture and to lower the temperature in the daytime. (The best mulch is straw, which promotes growth of all kinds to 34-71 cm as against 17-46 cm without straw.) (RZhGeol, No 11, 1955) Sum No 884, 9 Apr 1956 SO:

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	Forestry. Forest durantes.
Abs Jour:	RZhDiol., No 11, 1958, No 48792
Author : Inst : Title :	Sus, N.I. Saratov Agricultural Inst. Field Protecting Forest Cultivation - In Important Link in the System of Griculture in the Southeast.
Orig Pub	Tr. Saratovsk, skh in-ta, 1957, 10, 203-216
Abstract	: The significance of the sheltering plantations in the improvement of climatic conditions in the steppe and semi-steppe regions of the Southeast was shown by concrete examples. The article characterizes the effect of the field sheltering forest strips on the dynamics of the wind, on the volatility and eva- poration, and on the snow accumulation on the protected
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Autho Inst Title	Not given.	Protection from Erosion	in
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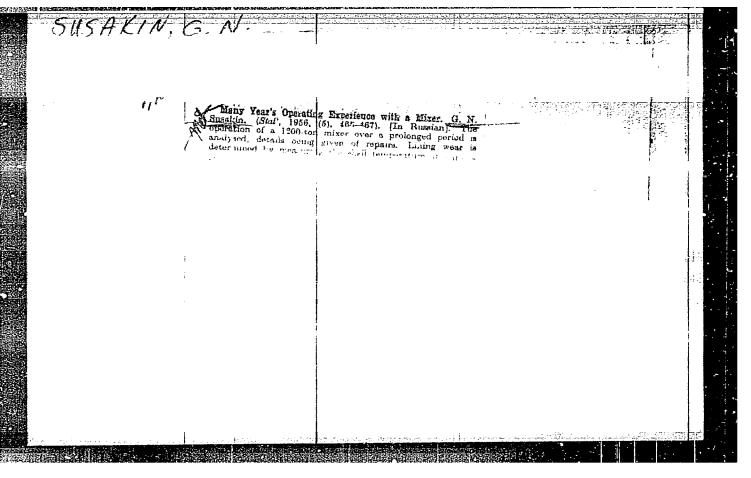
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USSP / Plor	t Physiology. Respiration and Metabolism.	
Abs Jour	: Ref Zhur - Biol., No 8, 1958, No 34261	
Author Inst	: Sus, N. N. : Saratov University and Institute of Agriculture of South-	
Title	Eastern USSR: Exploitation of TWtensity of Juice Elimination by Plants for the Appraisal of Vigor of Root Systems.	
Orig Pub	: Fiziol resteniy, 1957, 4, No 3, 259-265	
Abstract	: Sunflower was reised in Saratov University in water cultivations in solution of Pryanishnikov and in the Institute of Agriculture of South-Eastern USSR in vegetative vessels. Agriculture of South-Eastern USSR in vegetative vessels. Plant liquor was collected from plants cut at the level of Plant liquor was collected from plants cut at the level of Plant liquor was collected from plants cut at the level of Plant 2-3 cm from the collar of the root. The amount of plant juice depended on the importance of weight of the root, and often on the mass of the plant above the earth. In the	
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USSR / Plan	t Physiology. Photosynthesis.	
Abs Jour	: Ref Zhur - Biol., No 8, 1958, No 34231	
Author Inst Title	: Shatilov, F. V.; Sus, N. N.; Sorokona, Ye. M. : Saratov Agricultural Institute : The Course of Grain Ripening and Some Aspects of Photogra- thesis in Corn under Various Conditions of Water Supply.	
Orig Pub	: Tr. Saratovsk. Skh. in-ta, 1957, 10, 337-347.	,
Abstract	: Denseness of plant standing in a nest was studied with and without irrigation in relation to the course of grain ripening of corn of the North Dakota variety in connection with its photosynthetic activity. The denseness of corn standing in a nest did not affect the ripening of Grain, standing in a nest did not affect the ripening of Grain, nor the chlorophyll content in the leaves. During the ripening, an increase of the absolute weight of grain was observed; the weight increase of the grain - according to	
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	Dialysis and artificial kidney. Vojnosanit. pregl. 20 no.3:147-154 Mr '63.	
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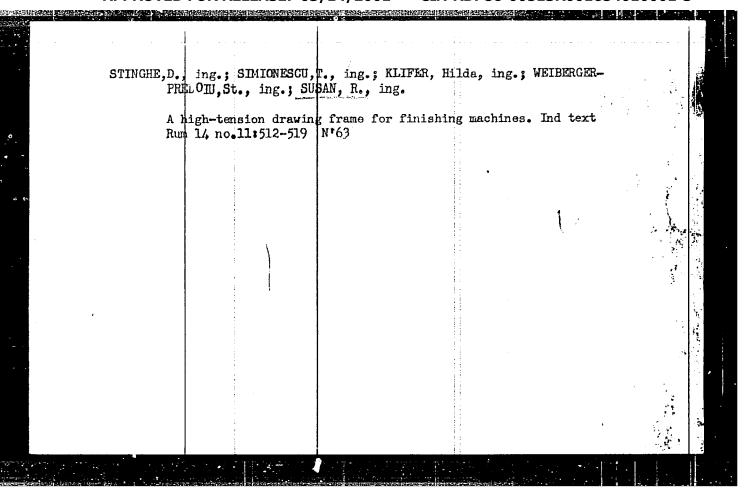
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ACCESSION NR: AP5023668	RU/0018/64/000/012/0678/0682	
AUTHOR: Nan, Ion; Susan, Romulus		
II (Mine A
TITLE: Modern driving system for	the compressors of diesel locomotives	
SOURCE: Constructia de masini /6no		200 100
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engine compressor system, propulsion	smission device, locomotive, diesel engine,	
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ABSTRACT: A survey of the princips	al driving systems for Diesel locomotive compres-	
as offering a number of technical	atic system which is recommended by the authors	
7 figures and 2 graphs.	and economical advantages. Orig. Art. Incl.:	1 T
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Elect	ronic brain. Znan.ta pr	atsia no.1:6-7 Ja '60. (MIRA 13:5)	
	(Cybernetics)	(MIRK 1):5)	
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TITLE: A measuring device for the thermal power of a nuclear reactor.

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Avtomatika i telemakhanika.

no. 2. 1962, 16-23.

AUTHORS: Armenskiy, Ye.V., Susanina, G. D.

TEXT: The paper describes a new method for the indication of the power delivered by a nuclear reactor which, instead of a measurement of the neutron-flux density, consists in the measurement of the thermal power removed from the reactor. A brief survey of extant methods for the measurement of the power of a reactor is given, and the various shortcomings and difficulties encountered with existing methods are itemized. With respect to the calculation for the thermal power method, the elementary thermal relationships set forth reduce the determination of the thermal power of a reactor to the simple arithmetic multiplication of the discharge rate of the heat carrier (water, assumed here) by the temperature difference between the inlet and the outlet of the reactor. The multiplication device proposed here is based on a bridge circuit, the accuracy of which is said to be no less than 0.5%. Two of the bridge resistances are resistance thermometers and, hence, serve as

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